

Attorney Docket No.: PTQ-0012
Inventors: Adams et al.
Serial No.: 09/177,711
Filing Date: October 23, 1998
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In the Claims:

Please cancel claims 35-40, 45-51 and 53-59.

Please add the following new claims:

Sub 71
--60. A method of decreasing pain associated with use of prostaglandins for treatment of erectile tissue dysfunction comprising administering to a subject at least one NO producing agent so that pain associated with prostaglandin use sensed by nociceptive tissue in close proximity to engorgeable genital tissue is decreased.

61. The method of claim 60 wherein the subject is male.

62. The method of claim 60 wherein the subject is female.

63. The method of claim 60 wherein the NO producing agent augments action of cAMP in smooth muscle and reduces action of cAMP in nociceptive tissue.

64. The method of claim 60 wherein the NO producing agent inhibits a cyclic nucleotide phosphodiesterase.

65. The method of claim 64 wherein the cyclic nucleotide phosphodiesterase is PDE3.

66. The method of claim 60 wherein the NO producing agent is delivered by a route selected from the group consisting of oral administration, intravenous administration, subcutaneous

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71. The method of claim 70 wherein the subject is male.

72. The method of claim 70 wherein the subject is female.

73. The method of claim 70 wherein the agent augments action of cAMP in smooth muscle and reduces action of cAMP in nociceptive tissue.

74. The method of claim 70 wherein the agent augments action of cGMP by generating CO.

75. The method of claim 70 wherein the agent inhibits a cyclic nucleotide phosphodiesterase.

76. The method of claim 75 wherein the cyclic nucleotide phosphodiesterase is PDE3.

77. The method of claim 70 wherein the agent is delivered by a route selected from the group consisting of oral administration, intravenous administration, subcutaneous administration, inhalation or intranasal administration, transdermal application, topical application, rectal administration, intraurethral administration, and intracavernous introduction.

78. The method of claim 70 wherein two agents are administered.

79. The method of claim 70 wherein said agent which augments action of cGMP is selected from the group consisting of glyceryl trinitrate, isosorbide 5-mononitrate, isosorbide dinitrate,

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administration, inhalation or intranasal administration, transdermal application, topical application, rectal administration, intraurethral administration, and intracavernous introduction.

67. The method of claim 60 wherein two agents are administered.

68. The method of claim 60 wherein the NO producing agent is selected from the group consisting of glyceryl trinitrate, isosorbide 5-mononitrate, isosorbide dinitrate, pentaerythritol tetranitrate, erythrityl tetranitrate, sodium nitroprusside, 3-morpholinosydnonimine, molsidomine, S-nitroso-N-acetylpenicillamine, S-nitrosoglutathione, N-hydroxy-L-arginine, S,S-dinitrosodithiol and NO gas.

69. The method of claim 60 wherein the NO producing agent is glyceryl trinitrate.

Sub 72 70. A method of decreasing pain associated with use of prostaglandins for treatment of erectile tissue dysfunction comprising administering to a subject at least one agent that augments action of cGMP so that pain associated with prostaglandin use sensed by nociceptive tissue in close proximity to engorgeable genital tissue is decreased.